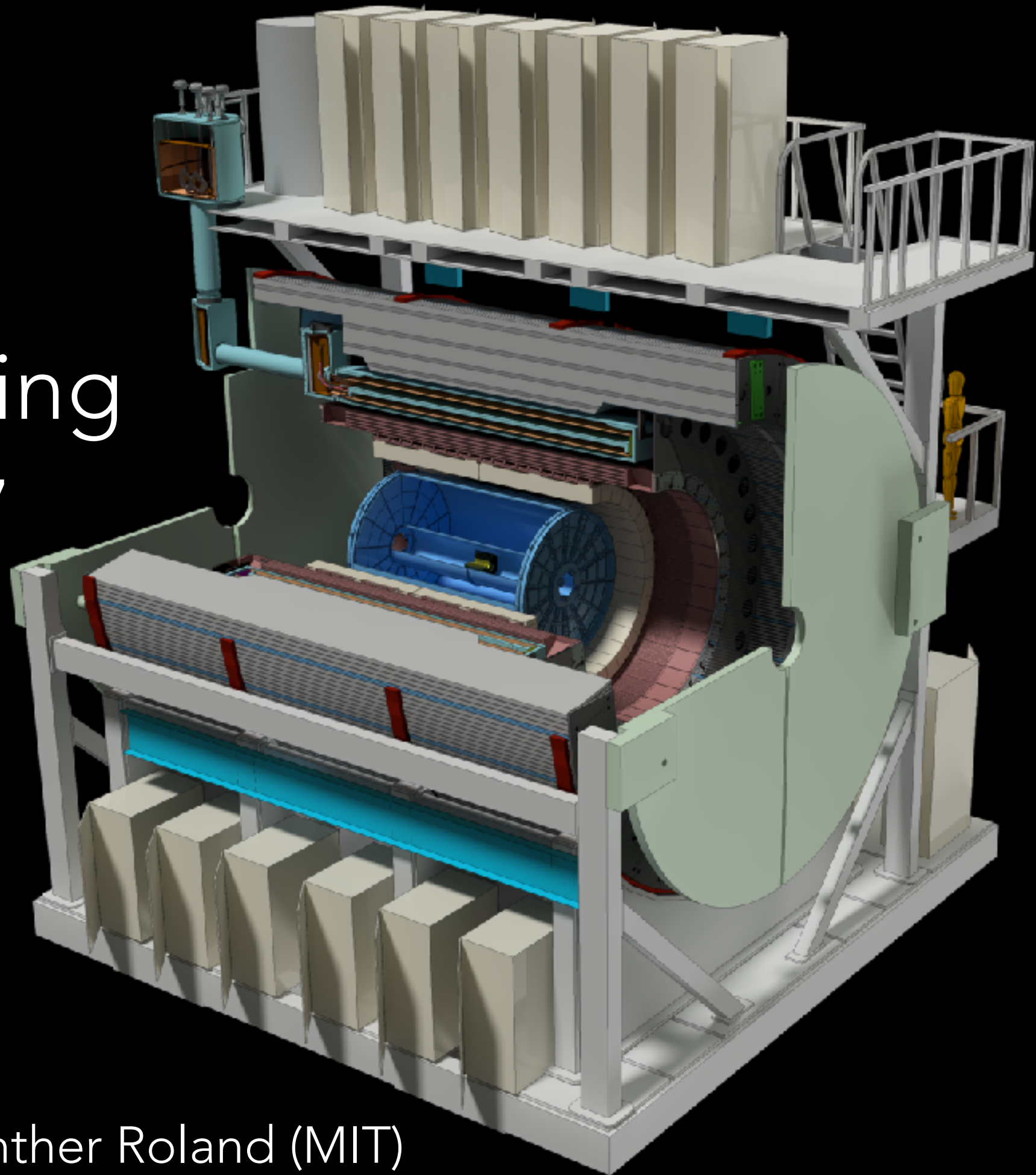


sPHENIX
general meeting
March 3, 2017



Dave Morrison (BNL), Gunther Roland (MIT)



**KEEP
CALM
AND
VOLUNTEER**

(to take minutes for today's meeting)

Plan for today

Friday, April 14, 2017

- | | |
|---------------|---|
| 12:00 - 12:20 | sPHENIX News 20'
Speakers: Dr. David Morrison (BNL), Prof. Gunther Roland (MIT) |
| 12:20 - 12:40 | Project news 20'
Speakers: John Haggerty (Brookhaven National Laboratory), Edward O'Brien (BNL) |
| 12:40 - 13:25 | Discussion: Performance and physics studies for reviews, proposals and talks 45'
Speakers: Dr. David Morrison (BNL), Prof. Gunther Roland (MIT) |



Discussions with the ALD (April 4, 2017)

- Finished only about 30 minutes ago
- We related positive nature of Saclay discussions
- He encouraged sPHENIX to apply to be a CERN “recognized experiment” – based on discussions with CERN management

Recognized Experiments at CERN

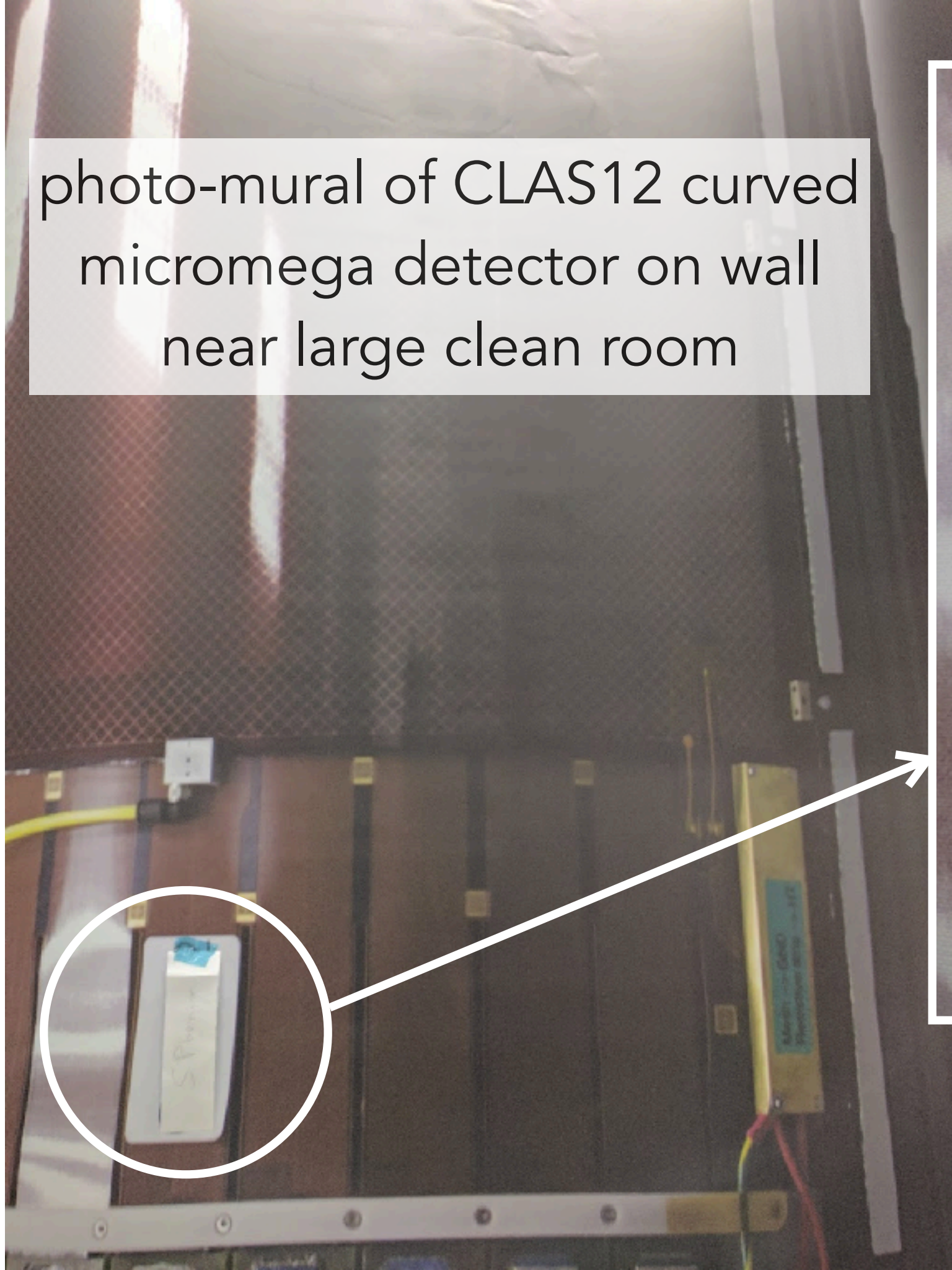
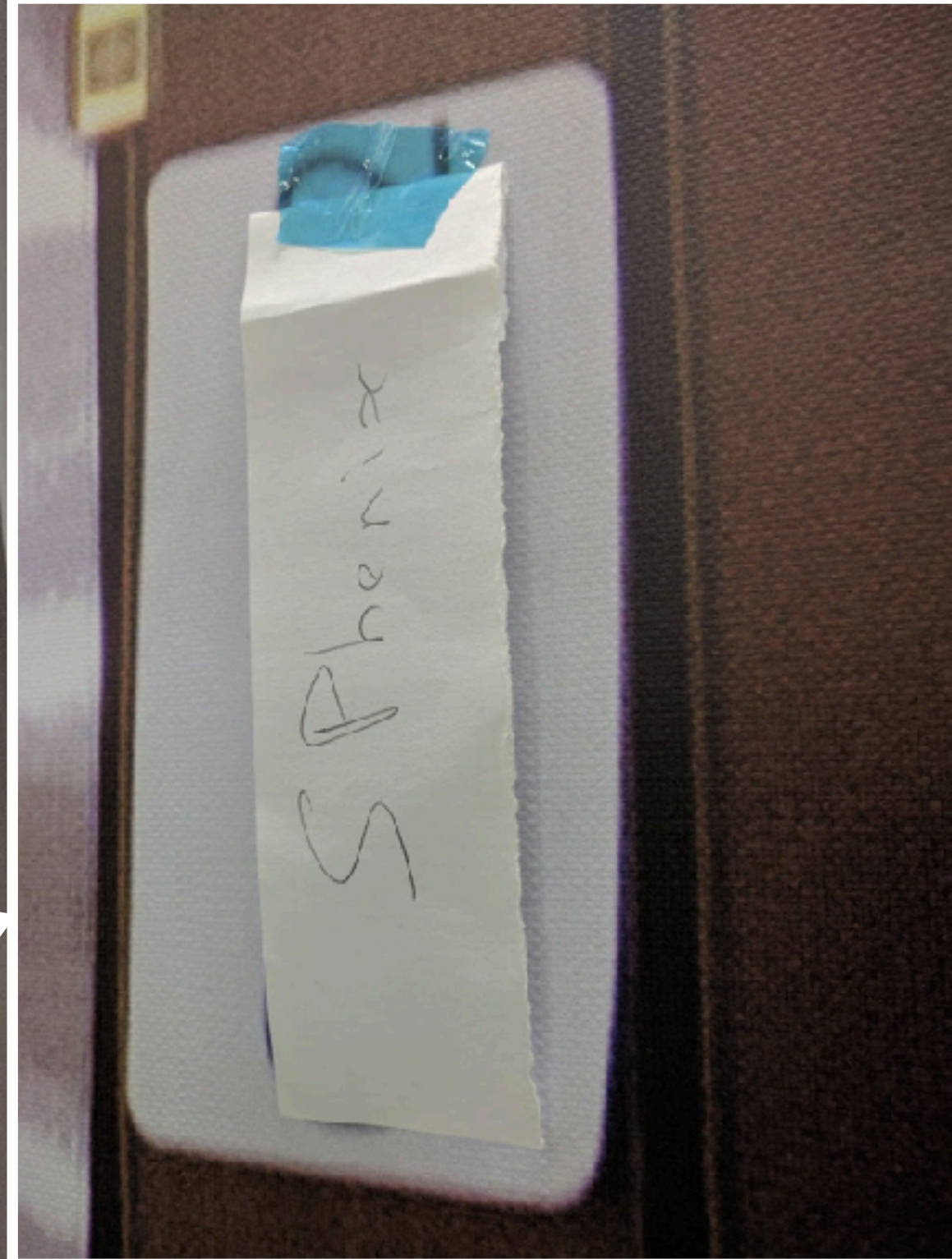
CERN is prepared to recognize experiments in fields allied to particle physics, such as astroparticle physics, under the following conditions:

- Recognized experiments must have substantial participation of physicists from several CERN Member States.
- Recognized experiments must already be approved by relevant agencies and be reasonably funded.
- Whenever an experiment requests this status the case will be handled by the Recognized Experiments Committee, where the requirements will be defined and discussed. The Committee will present to the Research Board the recommendation for granting RE status.
The Research Board will judge whether recognition by CERN is appropriate, in which case this should not be taken to imply that CERN has in any sense approved the experiment.
- Once an experiment is recognized- the groups involved will be able to open visiting team accounts at CERN- the members of the experiment will be allowed to become registered as CERN users; this would not, however, imply automatic assignment of office space- CERN would allow such teams the use of CERN's premises to organize meetings, and to use basic services, provided that
 - i) the cost to CERN is truly marginal, and on the condition that
 - ii) approved CERN activities would always take priority.Additional services could be provided by mutual agreement, on the understanding that CERN will charge if there are costs for the Organization.
- Recognition will be granted for up to three years, with the possibility of renewal following the request to the Recognized Experiments Committee and, following its recommendation, a positive decision of the Research Board.

sPHENIX collaboration updates

- GR, DM visit to CEA Saclay – two days, ~dozen scientists/engineers from Saclay
 - extensive physics/project/detector discussions
 - visit to laboratories and clean rooms – impressive
 - very positive atmosphere
 - they will pursue internal discussions about joining
 - GR suggested an integrated view of physics+detector involvement based on their continued interest in quarkonia
- very positive communications since

photo-mural of CLAS12 curved
micromega detector on wall
near large clean room



Upcoming talks

Need nominations (self-nominations are always welcome!) for
RHIC Users' meeting talks

Dear Dave and Gunther,

The RHIC and AGS Users meeting will be held at BNL on June 20-23, 2017.

I would like to invite the sPHENIX Collaboration to present an sPHENIX HiLights talk, on Friday June 22nd. The talk should cover the sPHENIX scientific plan but perhaps also a progress report on Construction and Project plans. The talk is scheduled to last 25 minutes with 5 minutes for questions.

I would be delighted to hear your thoughts and advice.

Cheers,
Jim Thomas, for the
RHIC and AGS Users Executive Committee

Dear Dave & Gunther

We are organizing the jet workshop on RHIC/AGS User's meeting. We would like to have a speaker on sPHENIX. The talk will be 25+5'. We would like talks in this workshop to address how we can get quantitative information about the QGP from measurements of jets. We would appreciate if you could recommend a speaker for us to invite.

The User's Meeting is June 20-23. The workshop will be on June 20 in the afternoon. We prefer speakers who can attend the majority of the rest of the meeting. The meeting's website is here: <https://www.bnl.gov/aum2017/>

We would appreciate if you considered both diversity and how the talk could help the speaker's career. We would appreciate an answer by April 17.

Sincerely,
Christine, Jaki, Kolja, and Nate

Dear Dave and Guenther,

we are planning an RBRC workshop on Synergies of pp and pA collisions with an Electron-Ion Collider from June 26 - 28 2017 at BNL.

While a tremendous amount of effort is being expended toward the research and development of a future Electron-Ion Collider (EIC), any data from such a machine will need to be analyzed in the context of present and upcoming measurements at RHIC and the LHC. In this workshop we would like to obtain an overview of how the planned pp and pA data taking especially utilizing the forward detector upgrades at RHIC and the LHC can be leveraged to stimulate further theoretical developments necessary to interpret data from a future EIC.

We would like to invite (f)sPHENIX to give a talk to summarize the planned future pp and pA measurements with a focus on the forward detector upgrades at sPHENIX. The talk should discuss how these measurements can be leveraged to stimulate further theoretical developments necessary to interpret data from a future EIC, and how they can provide critical tests of factorization and universality between pp / pA and ep / eA.

We would very much appreciate if you could let us know at your earliest convenience who the sPHENIX speaker is.

The web page with with detailed information for the workshop can be found here <https://www.bnl.gov/pppa17/>

The direct link to the registration for the workshop is <https://www.bnl.gov/pppa17/reg/step1.php#form>

Please register at your earliest convenience.

With best regards,

Elke-Caroline Aschenauer, Markus Diehl, Thomas Peitzmann, Joern Putschke, Ralf Seidl, Matt Sievert, and Anna Staśto

MAPS readout workfest at UT Austin

Wednesday 19 April:

- 9:00 – 9:10: Welcome (Jo)
- 9:15 – 9:35: Introduction to sPhenix and MVTX, proposal status, timescales, budgets (Ming)
- 9:45 – 10:05: Current and Future Phenix/sPhenix DAQ (Martin)
- 10:15 – 10:35: ITS Power System, plans for MVTX power system, LBNL hardware plans (Giacomo)
- 10:45 – 11:00: break
- 11:00 – 11:20: ITS Readout Unit (RU) Description (Jo)
- 11:30 – 11:50: ITS Common Readout Unit (CRU) Description (Jo)
- 12:00 – 13:30: Lunch break
- 13:30 – 13:50: R&D plans for MVTX Readout (LANL/Mark Propkop or Andi Klein/Kun Liu)
- 14:00 – 14:30: sPhenix TPC readout system and possible CRU/FELIX for MVTX (BNL/Takao Sakaguchi/Jin Huang)
- 14:45 – 15:15: break
- 15:15 – 17:30: Open Discussion of MVTX readout and UT participation

Thursday 20 April:

- 9:00 – 12:00: Lab demonstration of ITS readout